

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
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Sheet 1 of 4

**Complete if Known**

Application Number	09/766,162
Filing Date	01-19-2001
First Named Inventor	Donald S. Gardner
Art Unit	2832
Examiner Name	Not yet assigned
Attorney Docket Number	42390P10775

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TIN		US- 3881244	05-06-1975	Kendall	
		US- 5095357	03-10-1992	Andoh et al.	
		US- 5635892	06-03-1997	Ashby et al.	
		US- 5801100	09-01-1998	Lee et al.	
TIN		US- 5877533	03-02-1999	Arai et al.	
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**FOREIGN PATENT DOCUMENTS**

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TIN		EP 0 725 407 - A1	08-07-1996	IBM Corporation		
TIN		WO 01/39220 - A1	05-31-2001	Intel Corporation		
TIN		JP 07-272932	10-20-1995	Canon Inc.		

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TIN		K. SHIRAKAWA, ET AL., "Thin Film Cloth-Structured Inductor For Magnetic Integrated Circuit," IEEE Transactions on Magnetics, September 1990, pp. 2262-2264, Vol. 26, No. 5.	
TIN		M. YAMAGUCHI, ET AL., "Characteristics Of Magnetic Thin-Film Inductors At Large Magnetic Field," IEEE Transactions on Magnetics, November 1995, pp. 4229-4231, Vol. 31, No. 6.	
TIN		E. BRANDON, ET AL., "Microinductors For Spacecraft Power Electronics," Magnetic Materials, Processes, and Devices VI Applications to Storage and Microelectromechanical Systems (MEMS), 2001, pp. 559-567, Vol. 2000-29, The Electrochemical Society, Inc., Pennington, New Jersey. <i>NO MONTH</i>	
		<del>ERIK J. BRANDON, "Passive Components For Systems-On-A-Chip Applications," Center for Integrated Space Microsystems, Jet Propulsion Laboratory.</del>	
TIN		S.S. MOHAN, ET AL., "Simple Accurate Expressions For Planar Spiral Inductances," IEEE Journal of Solid-State Circuits, October 1999, pp. 1419-1424, Vol. 34, No. 10.	
		<del>JOACHIM N. BURGHARTZ, "Integrated Multilayer RF Passives in Silicon Technology," IBM Research Division, Yorktown Heights, NY.</del>	
TIN		JAE YEONG PARK, ET AL., "Batch-Fabricated Microinductors With Electroplated Magnetically Anisotropic and Laminated Alloy Cores," IEEE Transactions on Magnetics, September 1999, pp. 4291-4300, Vol. 35, No. 5.	
TIN		M. YAMAGUCHI, ET AL., "MGHz-Drive Magnetic Thin-Film Inductors For RF Integrated Circuits Using Micro-Patterned Granular Film" IEEE, 1990. <i>NO MONTH</i>	
TIN		ALI M. NIKNEJAD and ROBERT G. MEYER, "Analysis, Design, and Optimization of Spiral Inductors and Transformers for Si RF IC's," IEEE Journal of Solid-State Circuits, October 1998, pp. 1470-1481, Vol. 33, No. 10.	
TIN		DONALD S. GARDNER and PAUL A. FLINN, "Mechanical Stress As A Function Of Temperature For Aluminum Alloy Films," Journal of Applied Physics, February 15, 1990, pp. 1831-1845, Vol. 67.	
TIN		M. BABA, ET AL., "GHz-Drive Magnetic Thin-Film Inductor Using CoNbZr Film," Journal of the Magnetics Society of Japan, 2000. <i>NO MONTH</i>	

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TIN		Y. KOBAYASHI, ET AL., "New Type Micro Cloth-Inductor And Transformer With Thin Amorphous Wires And Multi-Thin Coils," IEEE Transactions on Magnetics, September 1992, pp. 3012-3014, Vol. 28, No. 5.	
TIN		H. MATSUKI and K. MURAKAMI, "A New Cloth Inductor Using Amorphous Fiber," IEEE Transactions on Magnetics, September 1985, pp. 1738-1740, Vol. MAG-21, No. 5.	
TIN		V. KORENIVSKI and R.B. VAN DOVER, "Magnetic Film Inductors For Radio Frequency Applications," Journal of Applied Physics, November 15, 1997, pp. 5247-5254, Vol. 82.	
TIN		M. YAMAGUCHI, ET AL., "Microfabrication And Characteristics Of Magnetics Thin-Film Inductors In The Ultrahigh Frequency Region," Journal of Applied Physics, June 1, 1999, pp. 7919-7922, Vol. 85, No. 11.	
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TIN		M. YAMAGUCHI, ET AL., "Magnetic Thin-Film Inductor For RF Integrated Circuits," Extended Abstracts of the 1999 International Conference on Solid-State Devices and Materials, 1999, pp. 580-281, Tokyo. <i>NO MONTH</i>	
TIN		T. SATO, ET AL., "New Applications of Nanocrystalline Fe(Co-Fe)-Hf-O Magnetic Films To Micromagnetic Devices," Journal of Applied Physics, June 1, 1998, pp. 6658-6660, Vol. 83, No. 11.	
TIN		A. FESSANT, ET AL., "Influence Of In-Plane Anisotropy And Eddy Currents On The Frequency Spectra Of The Complex Permeability Of Amorphous CoZr Films," IEEE Transactions of Magnetics, January 1993, pp. 82-87, Vol. 29, No. 1.	
		JOACHIM N. BURGHARTZ, "Progress In RE Inductors On Silicon - Understanding Substrate Losses," IBM Research Division, Yorktown Heights, NY.	
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		JAE PARK and MARK G. ALLEN, "Bar-Type Microinductors and Microtransformers With Electroplated Alloy Cores," Magnetic Devices Research, sponsored by Packaging Research Center.	

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		<del>ERIK BRANDON, "System On A Chip Integrated Passive Components (<math>\mu</math>IRS)"</del>	
TIN		MASAHIRO YAMAGUCHI, "Magnetic Films For Planar Inductive Components And Devices," Handbook of Thin Film Devices, edited by M.H. Francombe, 2000, pp. 185-186, Vol. 4: Magnetic Thin Film Devices.	
TIN		S.S. MOHAN, ET AL., "Bandwidth Extension In CMOS With Optimized On-Chip Inductors," IEEE Journal of Solid-State Circuits, March 2000, pp. 346-355, Vol. 35, No. 3.	
		<del>S.S. MOHAN, ET AL., "Modeling And Characterization Of On-Chip Transformers," Center for Integrated Systems, Stanford University, Stanford, CA 94305.</del>	
		<del>M.M. MOJARRADI, ET AL., "Power Management And Distribution For System On A Chip For Space Applications," Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration, Paper No. 284.</del>	
TIN		TERENCE O'DONNELL, ET AL., "Microtransformers and Inductors Using Permalloy Thin Films," Preparation, Properties, and Applications of Thin Ferromagnetic Films, June 2000, pp. 45-52.	
TIN		C. PATRICK YUE and S. SIMON WONG, "On-Chip Spiral Inductors With Patterned Ground Shields For Si-Based RF IC's," IEEE Journal of Solid-State Circuits, May 1998, pp. 743-752, Vol. 33, No. 5.	
		<del>DONALD S. GARDNER, United States Patent Application for "Method and Apparatus for Providing Inductor for Integrated Circuit or Integrated Circuit Package".</del>	

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